

# MINI / COMBI Series

300W / 500W / 1200W / 2500W

Fresnel, PC, Profile

(ver. 2022/04)



## GENERAL

The Combi range takes its name from the results of research into the best combination of professional quality and competitive price.

These COMBI spots, made of steel and aluminium, give optimal lighting performance and are practical to use, combining durability and easy maintenance.

- Products designed for professional use that guarantee:
- **Durability:** die-cast extruded aluminium structure and steel parts, shockproof with anti-scratch paint
- **Long-Lasting Performance:** rugged construction, high capacity electrical components with high temperature insulation and heat resistant glass lenses
- **Cooling:** by dissipation through an extended finned extruded aluminium surface and by convection through numerous slots even on the back of the luminaire to enhance ventilation when the unit is positioned at a steep angle
- **Safety:** all luminaires are CE labelled in accordance with the EN 60598-2-17 standards for professional lighting fixtures for public venues and theatres

## OPTICS

Only for PC / Fresnel

- Spherical reflector in 99.99% polished and treated aluminium

	500W	1200W	2500W
PC	70mm	100mm	150mm
Fresnel			

- Borosilicate lens mounted onto extended holders to allow ventilation

	300W	500W	1200W	2500W
PC	90mm	110mm	150mm	200mm
Fresnel	80mm			

Only for Profile

- Ellipsoidal reflector in 99.99% polished and treated aluminium

	500W	1200W	2500W
Profile	120mm	150mm	150mm

- Optical tempered glass internal lens

	500W	1200W	2500W
Profile	90mm	110mm	150mm

- Optical glass internal lens

	500W	1200W	2500W
Profile	110mm	150mm	230mm

- 4 removable shaping shutters mounted between plates specially treated with an anti-abrasive surface
- 18-leaf iris diaphragm (optional)

## OPERATIONAL

- Access for lamp maintenance via removable top cover
- Yoke with 10mm diameter hole, adjustable height, reversible and sliding into extruded rails to balance accessories and for use in any position
- Heat insulated knobs and handles
- Focus adjustment by an endless screw mechanism operated by rear knob
- Gobo holder slots covered by a sliding door to prevent the accessories from falling out and to avoid spill light (only for Profile)

	300W	500W	1200W	2500W
Gobo size	M	M and B	B	A and B

## MECHANICAL

- Reversible yoke mounted onto extruded sliding rails, adjustable height for correct balancing of the accessories and for use in any position
- Extruded aluminium and steel housing for thermal dissipation and high shock resistance
- Safety mesh
- Filter-frame locking system

## HOUSING

- Highly resistant body in extruded aluminium
- External black anti-scratch Epoxy Resin paint
- Finishing: Black
- IP 20

## THERMAL MANAGEMENT

- Ventilation slots on the rear housing for efficient cooling even in vertical position
- Labyrinth ventilation to avoid light spillage
- Lens mounted onto extended retaining holders to allow inner ventilation

## ELECTRICAL

- Standard 230V, 50/60Hz power supply (others available on request)
- 2m power supply cable (plug available on request)
- Strain relief cable clamp entry into light housing
- Lamp holder:

	300W	500W	1200W	2500W
PC	GY 9.5	GY 9.5	GX 9.5	G 22
Fresnel				
Profile				

## BEAM ANGLE

PC / Fresnel

	300W	500W	1200W	2500W
PC	07°-53°	05°-56°	04°-63°	04°-66°
Fresnel		07°-62°	07°-53°	07°-65°

Profile

	300W	500W	1200W	2500W
ZS	20°-40°	14°-33°	13°-35°	/
ZM	/	/	/	09°-25°
ZW	/	23°-40°	25°-50°	17°-36°

## COMPLIANCE

- CE
- EN 60598-2-17 standards
- Manufactured in Italy with Quality System ISO 9001:2015

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## DIMENSIONS

### Fresnel

MI FN NO	1.3 Kg	11*13*17 cm
COM 05 F	3.0 Kg	15*15*25 cm
COM 12 F	5.4 Kg	20*20*30 cm
COM 25 F	10.8 Kg	27*29*41 cm

### PC

MI PC NO	1.6 Kg	11*13*22 cm
COM 05 PC	3.7 Kg	15*15*30 cm
COM 12 PC	6.8 Kg	20*20*40 cm
COM 25 PC	13.7 Kg	27*29*53 cm

### Profile

MI PR ZS NO	1.3 Kg	11*13*17 cm
COM 05 ZS	4.8 Kg	15*15*49 cm
COM 05 ZW	4.5 Kg	15*15*40 cm
COM 12 ZS	9.8 Kg	20*20*72 cm
COM 12 ZW	9.1 Kg	20*20*57 cm
COM 25 ZS	25.1 Kg	27*29*90 cm
COM 25 ZW	21.3 Kg	27*29*79 cm

## LIGHT OUTPUT AND LAMPS

		Distance (m)						TESTED WITH LAMP
		1m	2m	3m	4m	5m	6m	
MI PC NO	07°	38'231 lux	9'558 lux	4'248 lux	2'389 lux	1'529 lux	1'062 lux	CP81 300W 230V
	53°	3'987 lux	997 lux	443 lux	249 lux	159 lux	111 lux	
MI FN NO	07°	24'750 lux	6'188 lux	2'750 lux	1'547 lux	990 lux	699 lux	
	53°	3'694 lux	923 lux	410 lux	231 lux	148 lux	103 lux	
MI PR ZS NO	20°	6'120 lux	1'530 lux	680 lux	383 lux	245 lux	170 lux	
	40°	1'305 lux	326 lux	145 lux	82 lux	52 lux	36 lux	

		Distance (m)					TESTED WITH LAMP
		2m	4m	6m	8m	10m	
COM 05 PC	05°	27'808 lux	6'952 lux	3'090 lux	1'738 lux	1'112 lux	CP89 650W 230V
	56°	1'502 lux	376 lux	167 lux	94 lux	60 lux	
COM 05 F	07°	19'280 lux	4'820 lux	2'142 lux	1'205 lux	771 lux	
	62°	1'853 lux	463 lux	206 lux	116 lux	74 lux	
COM 05 ZS	14°	19'431 lux	4'858 lux	2'159 lux	1'214 lux	777 lux	
	33°	10'650 lux	2'663 lux	1'183 lux	666 lux	426 lux	
COM 05 ZW	23°	14'504 lux	3'626 lux	1'612 lux	907 lux	580 lux	
	40°	8'388 lux	2'097 lux	932 lux	524 lux	336 lux	
COM 12 PC	04°	17'725 lux	4'431 lux	1'969 lux	1'108 lux	709 lux	CP90 1200W 230V
	63°	655 lux	164 lux	73 lux	41 lux	26 lux	
COM 12 F	07°	10'269 lux	2'567 lux	1'141 lux	642 lux	411 lux	
	53°	885 lux	221 lux	98 lux	55 lux	35 lux	
COM 12 ZS	13°	12'530 lux	3'133 lux	1'392 lux	783 lux	501 lux	
	35°	4'496 lux	1'124 lux	500 lux	281 lux	180 lux	
COM 12 ZW	25°	9'233 lux	2'308 lux	1'026 lux	577 lux	369 lux	
	50°	2'835 lux	709 lux	315 lux	177 lux	113 lux	

		Distance (m)					TESTED WITH LAMP
		5m	10m	15m	20m	25m	
COM 25 PC	04°	23'903 lux	5'976 lux	2'656 lux	1'494 lux	956 lux	CP91 2500W 230V
	66°	880 lux	220 lux	98 lux	55 lux	35 lux	
COM 25 F	07°	13'124 lux	3'281 lux	1'458 lux	820 lux	525 lux	
	65°	1'234 lux	309 lux	137 lux	77 lux	49 lux	
COM 25 ZM	09°	22'152 lux	5'538 lux	2'461 lux	1'384 lux	886 lux	
	25°	8'028 lux	2'007 lux	892 lux	502 lux	321 lux	
COM 25 ZW	17°	16'291 lux	4'073 lux	1'810 lux	1'018 lux	652 lux	
	36°	4'270 lux	1'068 lux	474 lux	267 lux	171 lux	

Light Centre Length adjustment for different types of lamps with no need for special tools

	CP 81	M 40	T 18	CP 82	T 26	CP 89	T 19	CP 70	T 29	CP 90	CP 75	CP 92	CP 91
Power (watt)	300W	500W			650W		1000W		1200W		2000W		
Lamp holder	GY 9.5	GY 9.5	GY 9.5	GY 9.5	GY 9.5	GY 9.5	GX 9.5	GX 9.5	GX 9.5	GX 9.5	G 22	G 22	G 22
Light center	-	46.5	46.5	46.5	46.5	46.5	55	55	67	67	75	90	90
Luminous flux (lm)	7'800	10'000	11'000	13'500	14'500	17'500	21'500	25'000	27'600	30'000	52'000	52'000	65'000
Life time (hours)	180	2'000	360	180	600	180	750	200	480	240	480	400	450
Colour t (K)	3'200	2'950	3'050	3'200	3'050	3'200	3'050	3'200	3'050	3'200	3'200	3'200	3'200
Supply Voltage (V)	230	230	230	230	230	230	230	230	230	230	230	230	230
Nominal current	-	2.17	2.17	2.17	2.8	2.8	4.3	4.3	5.2	5.2	8.6	8.6	10.8